| - | Index of Claims |          |          |              |          |           |           |         |           |            |                |          |     | Application/Control No. |         |              |                 |           |          |          |           |          |          |          | Applicant(s)/Patent under Reexamination |                 |          |                    |                 |          |                 |              |           |             |  |  |
|---|-----------------|----------|----------|--------------|----------|-----------|-----------|---------|-----------|------------|----------------|----------|-----|-------------------------|---------|--------------|-----------------|-----------|----------|----------|-----------|----------|----------|----------|---|-----------------|----------|--------------------|-----------------|----------|-----------------|--------------|-----------|-------------|--|--|
|   |                 |          |          |              |          |           |           |         |           |            |                |          |     | 1                       | 0/6     | 329          | ,40             | 63        |          |          |           |          |          |          | HICKS, FREDERICK                        |                 |          |                    |                 |          |                 | <b>〈</b> ·   |           |             |  |  |
|   |                 |          |          |              |          |           |           |         |           |            |                |          |     |                         | E       | Examiner     |                 |           |          |          |           |          |          |          |   |                 | Art Unit |                    |                 |          |                 |              |           |             |  |  |
|   |                 |          |          |              |          |           |           |         |           |            |                |          |     |                         | 1       | MLouisa Lao  |                 |           |          |          |           |          |          |          |   | 1621            |          |                    |                 |          |                 |              |           | <del></del> |  |  |
|   |                 |          | <b>√</b> | Rejected     |          |           |           |         |           | _          | (Through numer |          |     |                         |         | ral)         | al)             |           |          | Non-E    |           | -Ele     | lected   |          |   | Α               | Appeal   |                    |                 |          |                 |              |           |             |  |  |
|   |                 |          |          | Allowed      |          |           | f         | +       |           | Restricted |                |          |     |                         |         |              | ı               | Interfere |          | 19       | nce       | nce      |          | Objected |   |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | nima .   |          |              | _        |           |           |         |           |            | Claim          |          |     |                         |         | Date         |                 |           |          |          |           |          |          |          |   | Dete            |          |                    | _               |          |                 | _            |           |             |  |  |
|   | Claim           |          |          | Date         |          |           |           | T       | Т         |            | -              | -        |     |                         |         | Т            | Dail            |           |          |          | 777       |          | <u> </u> | Claim    |   | Date            |          |                    | Т               | $\dashv$ |                 |              |           |             |  |  |
|   | Final           | Original | 12/7/06  |              | i        |           |           |         |           |            |                | Final    |     | Onginal                 |         |              |                 |           |          |          |           |          |          | Final    | Original                                |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 1        | +        | 1            |          | 7         | $\exists$ | +       |           |            |                |          | 5   | 1                       | +       | +            |                 | $\exists$ |          |          |           | $\dashv$ |          | _        | 101                                     | $\Box$          | +        | +                  | +               | -        | H               | $\dashv$     | ᅱ         |             |  |  |
|   |                 | 2        | +        | _            | $\Box$   | 4         | 4         | $\bot$  | $\dashv$  | $\perp$    | 7              |          |     | 2                       |         | ļ            |                 |           |          |          |           | $\Box$   |          |          | 102                                     |                 |          |                    |                 |          |                 | _            |           |             |  |  |
|   |                 | 3        | +        | -            | $\dashv$ | +         | $\dashv$  | +       | +         | +          | -              | $\vdash$ | 5   | 3                       |         | ╁            |                 | Н         |          |          |           | $\dashv$ |          |          | 103<br>104                              | $\vdash$        | +        | ╁                  | ╁               |          | $\vdash \vdash$ | $\dashv$     | -         |             |  |  |
|   |                 | 5        | +        |              |          | $\top$    | $\top$    | $\top$  | 1         |            |                |          | 5   | 5                       | +       | †            |                 | $\exists$ |          | $\Box$   | -         | $\dashv$ |          |          | 105                                     | H               | 十        | +                  |                 |          | $\vdash$        | $\dashv$     | ᅱ         |             |  |  |
|   |                 | 6        | +        | $\Box$       | 1        | $\perp$   | $\Box$    | 1       | 4         | $\perp$    | ]              |          |     | 6                       |         |              |                 |           |          |          |           |          |          |          | 106                                     | П               |          | I                  |                 |          |                 | $\Box$       |           |             |  |  |
|   |                 | 7<br>8   | +        |              | -        | 4         | +         | +       | +         | +          | -              | <u> </u> |     | 7<br>8                  | ╀       | ╀            | $\vdash$        | -         |          |          | $\dashv$  | 4        |          | <u> </u> | 107<br>108                              | $\vdash$        | +        | +-                 | -               |          | H               | 4            |           |             |  |  |
|   |                 | 9        | +        | _            | $\dashv$ | $\dagger$ | +         | +       | +         | +          | -              | -        | 5   | 9                       | +       | ╁            | -               |           |          | $\vdash$ | $\dashv$  | $\dashv$ |          | _        | 109                                     | $\vdash$        | +        | +                  | Н               | H        | $\vdash$        | -            | $\dashv$  |             |  |  |
|   |                 | 10       | ÷        |              |          |           | $\Box$    |         |           | 工          | ]              |          | 6   | 0                       |         |              |                 |           |          |          |           |          |          |          | 110                                     |                 |          | 上                  |                 |          |                 | 1            | ╛         |             |  |  |
|   |                 | 11       | +        | _            | _        | -         | 4         | -       | 4         | $\perp$    | _              | <u> </u> | 6   |                         | $\bot$  |              |                 |           |          | $\Box$   | _         | _        |          |          | 111                                     |                 | _        | _                  | Ш               |          |                 | 4            |           |             |  |  |
|   |                 | 12<br>13 | +        |              | +        | +         | +         | +       | +         | +          | Ⅎ᠁             |          | 6   |                         | +       | ╁            | -               | -         |          | $\dashv$ | -         | -        |          |          | 112<br>113                              |                 |          | +                  | $\vdash$        |          | $\vdash$        |              | $\dashv$  |             |  |  |
|   |                 | 14       | ÷        | 寸            | $\dashv$ | $\top$    | +         | +       | $\dagger$ |            | 1              | -        | 6   |                         | +       | ╁            | $\vdash$        | _         |          | $\vdash$ | $\dashv$  | $\dashv$ |          | <u> </u> | 114                                     | Н               | _        | $\dagger$          | H               |          |                 | 十            | ┪         |             |  |  |
|   |                 | 15       | ÷        | $\Box$       |          | $\perp$   | $\Box$    | $\Box$  | $\Box$    |            | ]              |          | 6   | 5                       |         |              |                 |           |          |          |           |          |          |          | 115                                     |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 16<br>17 | ÷        | +            |          | +         | 4         | -       | +         | +          | -              | <u> </u> | 6   |                         | +       | $\vdash$     | Н               |           |          |          | $\dashv$  | -        |          |          | 116                                     | $\sqcup$        | -        | +                  | $\vdash$        |          | -               | _            | _         |             |  |  |
|   |                 | 18       | +        | $\dashv$     | +        | +         | -+        | +       | +         |            | -              | -        | 6   | 8                       | +-      | $\vdash$     | Н               | -         |          | $\dashv$ | $\dashv$  | $\dashv$ |          |          | 117<br>118                              |                 | +        | +                  | $\vdash$        | Н        | $\dashv$        | $\dashv$     | $\dashv$  |             |  |  |
|   |                 | 19       | ÷        | 寸            |          | Ţ         | 士         |         | $\perp$   |            |                |          | 6   | 9                       |         | İ            |                 |           |          |          | -         |          |          |          | 119                                     |                 | $\top$   | $\top$             | $\Box$          | Н        | H               | $\dashv$     | $\dashv$  |             |  |  |
|   |                 | 20       | +        | $\downarrow$ | _        | 1         | 4         | $\perp$ | 4         | _          | ]              |          | 7   |                         |         |              | Ш               |           |          |          | _         |          |          |          | 120                                     | П               |          | $oldsymbol{\perp}$ |                 |          |                 | $\Box$       |           |             |  |  |
|   | <u> </u>        | 21<br>22 | -        | $\dashv$     | $\dashv$ | +         | +         | +       | ╁         | +          | -              | $\vdash$ | 7   |                         | +-      | <del> </del> |                 |           |          |          |           | $\dashv$ |          |          | 121<br>122                              | $\vdash$        | +        | +                  | $\vdash$        | Н        | $\dashv$        | $\dashv$     | $\dashv$  |             |  |  |
|   |                 | 23       |          | -            | $\dashv$ | +         | $^{+}$    | +       | +         | +          | 1              |          | 1 7 |                         | +       |              |                 |           | ᅥ        |          | -         | $\dashv$ |          |          | 123                                     | $\vdash$        | +        | +                  | $\vdash$        | $\dashv$ | $\dashv$        | $\dashv$     | $\dashv$  |             |  |  |
|   |                 | 24       |          |              |          | Ī         |           |         |           |            |                |          | 7   | 4                       |         |              |                 |           |          |          |           |          |          |          | 124                                     |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 25       |          | 4            | _        | 4         |           |         | $\perp$   | $\perp$    |                |          | 7   | 5                       | $\perp$ | _            |                 | $\Box$    |          |          | $\perp$   | $\Box$   |          |          | 125                                     |                 | $\perp$  | ļ                  | П               |          | $\Box$          |              |           |             |  |  |
|   |                 | 26<br>27 | $\dashv$ | $\dashv$     | +        | +         | +         |         | +         | +          | -              |          | 7   | <u>6</u>                | +       | ┢            | Н               | $\dashv$  |          |          |           | $\dashv$ |          | <u> </u> | 126<br>127                              | H               | +        | -                  | H               | _        |                 |              | _         |             |  |  |
|   |                 | 28       | $\dashv$ | $\dashv$     | +        | +         | +         | +       | +         | +          | -              |          | 7   |                         | +       | $\vdash$     | Н               | -         |          |          | -+        | $\dashv$ |          | <u> </u> | 128                                     | $\vdash$        | +        | +                  | H               | $\dashv$ | $\dashv$        | -+           | $\dashv$  |             |  |  |
|   |                 | 29       |          |              |          | I         |           |         | Ţ         |            | ]              |          | 7   | 9                       |         |              |                 |           |          |          |           |          |          |          | 129                                     |                 |          | 1.                 |                 |          | Ħ               |              |           |             |  |  |
|   |                 | 30       | 4        | $\dashv$     | 4        | +         | _         | _       | 4         | _          | 4              | <u> </u> | 8   |                         | _       |              |                 | _         |          |          | _         | _        |          |          | 130                                     |                 | ١        |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 31<br>32 | $\dashv$ | $\dashv$     | +        | +         | +         | +       | +         | +          | -              |          | 8   |                         | ╁       | -            | H               | -         | -        | $\dashv$ | $\dashv$  | $\dashv$ |          | <b></b>  | 131<br>132                              | $\vdash$        | +        | +                  | H               |          | $\dashv$        | +            | $\dashv$  |             |  |  |
|   |                 | 33       | $\dashv$ | $\dashv$     | $\top$   | $\dagger$ | +         | +       | +         | +          | ┧᠁             | _        | 8   |                         | +       |              |                 | $\dashv$  |          | $\dashv$ | +         | $\dashv$ |          | <u> </u> | 133                                     | H               | ╅        | ╁                  | H               |          | $\dashv$        | +            | $\dashv$  |             |  |  |
|   |                 | 34       |          |              |          | 1         | 1         |         | I         |            | ]              |          | 8   | 4                       |         |              |                 |           |          |          |           |          |          |          | 134                                     |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 35<br>36 | _        | 4            | +        | +         | 4         | +       | 4         | +          | 4              | ļ        | 8   |                         | 4       | _            | Щ               | 4         | _        | 4        | _         | _        |          |          | 135                                     |                 |          | _                  |                 |          | $\Box$          | $\downarrow$ | $\exists$ |             |  |  |
|   |                 | 37       | $\dashv$ | $\dashv$     | +        | +         | +         | +       | +         | +          | -              |          | 8   |                         | +       | $\vdash$     | $\vdash$        | $\dashv$  | $\dashv$ | $\dashv$ | -1        | $\dashv$ |          | ļ        | 136<br>137                              | $\vdash \vdash$ | -        | +                  | $\vdash$        |          | -               | +            | $\dashv$  |             |  |  |
|   |                 | 38       | _†       | $\dashv$     | _        | _         | 士         | 十       | _†        |            |                |          | 8   |                         | +       | $\vdash$     |                 | $\dashv$  | $\neg$   | $\dashv$ | $\dashv$  | $\dashv$ |          |          | 138                                     | $\vdash \vdash$ | +        | +                  | $\square$       | $\dashv$ | +               | +            | $\dashv$  |             |  |  |
|   |                 | 39       | $\Box$   | $\Box$       |          | 1         | $\bot$    | $\top$  |           |            | ]              | 匚        | 8   | 9                       |         |              |                 |           |          |          |           |          |          |          | 139                                     |                 |          |                    |                 |          |                 |              |           |             |  |  |
|   |                 | 40       | 4        | +            | +        | $\bot$    | 4         | +       | _         | -          | 4              | _        | 9   |                         | _       | L            | Ц               | _         | _        | _        | _         | _        |          |          | 140                                     | $\Box$          | _[_      | $\perp$            | $\Box$          |          |                 | $\perp$      | _         |             |  |  |
|   |                 | 41<br>42 | $\dashv$ | +            | +        | +         | +         | +       | +         | +          | -              | -        | 9   |                         | +       | $\vdash$     | ${\mathbb H}$   | -         | _        | $\dashv$ | +         | -        |          | -        | 141<br>142                              | $\vdash \vdash$ | +        | +-                 | $\vdash \vdash$ |          | -               | +            | $\dashv$  |             |  |  |
|   |                 | 43       |          | $\forall$    | +        | $\dagger$ | $\dagger$ | +       | +         | +          | 1              | $\vdash$ | 1 9 |                         |         | $\vdash$     | $\vdash \vdash$ | -         | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          |          | 143                                     | $\vdash \vdash$ | +        | +                  | $\vdash \vdash$ |          | $\dashv$        | +            | $\dashv$  |             |  |  |
|   |                 | 44       | $\Box$   | $\Box$       | $\perp$  |           |           | $\perp$ | I         |            | ]              |          | . 9 | 4                       |         |              |                 |           |          |          |           |          |          |          | 144                                     |                 |          | $\perp$            |                 |          |                 | $\top$       |           |             |  |  |
|   |                 | 45       |          | $\perp$      | $\bot$   | $\perp$   | _ _       | ᆚ       | $\perp$   |            | J              |          | 9   | 5                       |         |              |                 |           | $\Box$   | $\Box$   | $_{ m I}$ | _]:      |          |          | 145                                     |                 |          |                    | П               |          |                 | $\Box$       |           |             |  |  |

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